Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A network testing apparatus for performing network simulation tests and traffic tests in alternative modes, the network testing apparatus comprising: .

    a plurality of communication ports;

    a software module, comprising:

        a network simulating database for storing a plurality of network simulating models;

        a network protocol database for storing a plurality of network protocols;

        a simulation processing module for selecting one of the network simulating models and one of the network protocols, and generating a first traffic generating command when the network testing apparatus is in a network simulating test mode; and

        a traffic generation controlling module for generating a second traffic generating command when the network testing apparatus is in a traffic generator operating mode; and

    a hardware module, comprising:

        a traffic generating apparatus for generating corresponding traffic according to the first traffic generating command or the second traffic generating command; and

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a media access control for transmitting the generated traffic to a corresponding communication port. ;and

a plurality of communication ports.

Claim 2 (original): The network testing apparatus of claim 1, wherein the network testing apparatus is operated in either of two modes: a network simulating test mode or a traffic generator operating mode.

Claims 3-8 (canceled)

Claim 9 (currently amended): A network testing system for performing network simulation tests and traffic tests, the network testing system comprising:

at least one network device:

at least one administrative workstation, comprising:

a simulation test controlling module for selecting simulation test parameters and transmitting the simulation test parameters, wherein the simulation test parameters comprises first traffic generating parameters; and

a traffic generating parameter designing module for inputting second traffic generating parameters and transmitting the second traffic generating parameters; and

a network model designing module for designing the network simulating model and transmitting the designed network simulation model;

a network testing apparatus, comprising:

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<u>a plurality of communication ports;</u>

a software module, comprising:

a network simulating database for storing a plurality of network simulating models;

a network protocol database for storing a plurality of network protocols;

a simulation processing module <u>for receiving the simulation test parameters, selecting one of the network simulating models and one of the network protocols according to the simulation test parameters, and generating a first traffic generating command when the network testing apparatus is in a network simulating test mode;</u> and

a traffic generation controlling module <u>for receiving the second traffic generating parameters and generating a second traffic generating command according to the second traffic generating parameters when the network testing apparatus is in a traffic generator operating mode; and</u>

a hardware module, comprising:

a traffic generating apparatus <u>for generating corresponding traffic according to the first traffic generating command or the second traffic generating command;</u> and

a media access control <u>for transmitting the generated traffic to a corresponding communication port to perform network simulation tests or traffic tests on a corresponding network device.; and</u>

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a plurality of communication ports.

Claim 10 (original): The network testing system of claim 9, wherein the at least one administrative workstation is connected to the network testing apparatus through a network.

Claim 11 (original): The network testing system of claim 9, wherein the at least one administrative workstation is connected to the network testing apparatus directly.

Claims 12-13 (canceled)

Claim 14 (currently amended): The network testing system of claim ~~12~~ 9, wherein the simulation test parameters further comprise the network simulating model and the network protocol.

Claims 15-16 (canceled)

Claim 17 (original): The network testing system of claim 9, wherein the second traffic generating parameters comprise traffic rate, packet content, and packet length.

Claim 18 (currently amended): A network testing method for performing either network simulation tests or traffic tests by using a network testing apparatus, the network testing method comprising ~~the steps of~~:

 ~~a)~~ setting the network testing apparatus in a network simulating test mode or a traffic generator operating mode;

 ~~b) when the network testing apparatus is set in the network simulating test mode:~~

   ~~b1)~~ setting simulation test parameters, and transmitting the simulation test parameters to the network testing apparatus when

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the network testing apparatus is set in the network simulating test

mode, wherein the simulation test parameters comprise first traffic

generating parameters; and

b2) receiving the simulation test parameters, selecting a network simulating model and a network protocol according to the simulation test parameters, and controlling traffic generation to perform a network simulation test.

Claim 19 (currently amended): The network testing method of claim 18, further comprising a step of:

c) when the network testing apparatus is set in the traffic generator operating mode:

c1) setting second traffic generating parameters when the network testing apparatus is set in the traffic generator operating mode; and

c2) receiving the second traffic generating parameters, and controlling traffic generation to perform a traffic test according to the second traffic generating parameters.

Claim 20 (currently amended): The network testing method of claim 18, step b) further comprises comprising the steps of:

designing the network simulating model;

transmitting the network simulating model to the network testing apparatus; and

storing the network simulating model in a network simulating database.

Claim 21 (currently amended): The network testing method of claim 18,

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wherein the network testing apparatus is communicatively located between a tested equipment and a network which said—the tested equipment is connected to.

Claim 22 (new): The network testing apparatus of claim 2, wherein when the network testing apparatus is in the network simulating test mode, the network simulating database is further for receiving the network simulating model from an administrative workstation, and for storing the network simulating model.

Claim 23 (new): The network testing apparatus of claim 22, wherein the simulation processing module is for receiving simulation test parameters from the administrative workstation, and for selecting the network simulating model and the network protocol according to the simulation test parameters.

Claim 24 (new): The network testing apparatus of claim 23, wherein the network testing parameters comprise first traffic generating parameters, and the simulation processing module generates the first traffic generating command according to the first traffic generating parameters.

Claim 25 (new): The network testing apparatus of claim 2, wherein when the network testing apparatus is in the traffic generator operating mode, the traffic generation controlling module is further for receiving second traffic generating parameters, and for generating the second traffic generating command according to the second traffic generating parameters.

Claim 26 (new): The network testing system of claim 9, wherein the administrative workstation further comprises a network model designing module, for designing the network simulating model and transmitting the

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network simulating model.

Claim 27 (new): The network testing system of claim 26, wherein the network simulating database is further for receiving and storing the network simulating model.

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